



PHILMONT
W3RQZ • W3TKQ • W3QV

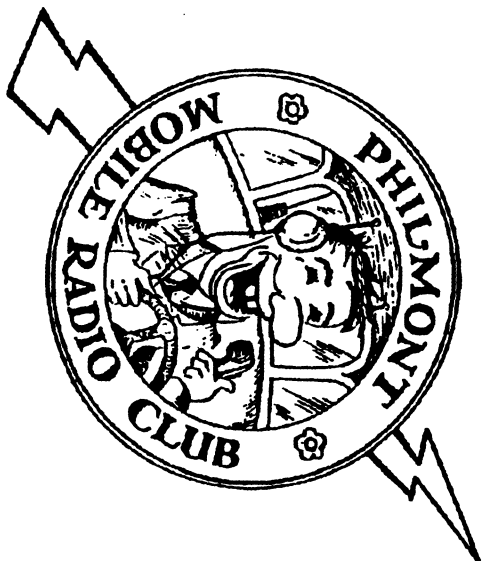
BLURB
APRIL 1990



THE BLURB

A Publication of

THE PHILMONT MOBILE RADIO CLUB, INC.
2113 EDGEHILL DRIVE, FURLONG, PA 18925



FIRST CLASS MAIL

is published monthly by, and for, the members of The PHIL-MONT MOBILE RADIO CLUB, INC. whose purpose is to promote Amateur Radio in general, and Mobile Radio in particular. Copying and quoting is permitted with a credit line. We gladly exchange publications with other amateur radio clubs; requests should be sent to the Editor. BLURB subscriptions are available to non-members for \$6.50 addressed to the Treasurer. The club meets at 8 PM on the first non-holiday Monday of every month at The Franklin Institute, 20th Street and the Benjamin Franklin Parkway, Philadelphia. Use the side entrance.

ALL VISITORS ARE WELCOME!

Amateur Radio License Examinations - every meeting night at 6:30 PM-SHARP!

CLUB INFORMATION

- 24 Hour Information Number at W3TKQ -(215) 448-1139
Repeater frequency: 147.03 MHz - Simplex frequency: 147.51 MHz
Mailing Address: P.O. Box 88, Abington, PA 19001

STATIONS

W3QV - 147.03 MHz. Repeater - 8200 Ridge Avenue, Philadelphia, PA - Trustee W3BBB
W3RQZ - 1176 Old York Road, Abington, PA - Trustee W3VVS
W3TKQ - The Franklin Institute, Philadelphia, PA - Trustee W3PWG
W3TKQ Operators: WA3AAL, Fred; N3ABS, John; K3TEF, Frank; KA3PJC, Jack; W3PWG, Rollic
ALL LICENSED AMATEURS ARE WELCOME TO OPERATE W3TKQ.

OFFICERS

PRESIDENT: W3UY, Larry Clifford, 951 Surrey Drive, Blue Bell, PA 19422
VICE PRESIDENT: N3FV1, Bill Popovic, 343 Lemonte Street, Philadelphia, PA 19103
SECRETARY: N3GLH, Brad Swanson, 517 Cresheim Valley Road, Wyndmoor, PA 19118
TREASURER: KB3IV, Ed Masarsky, 15 Poe Avenue, Wyncote, PA 19095

DIRECTORS

W3BBB (90); K3GBA (A); AK2I (91); W3IIM (A); W3IIN (A); K3KUD (91); W3LKI (90)

COMMITTEES

Archives:	W3IIN	Membership:	W3IIN	Repeater:	W3BBB
Awards:	-----	MO-COM 5:	N3DHI	Special Events:	N3FV1
BLURB:	W3IIM	Net Control:	WB3CMM	TVI	WA3AUN
Budget /Audit:	W3IIN	Program:	N3FV1	VE Program:	ND3Q
Directory:	WB3KOJ	Publicity:	N3EAY	W3TKQ:	W3PWG
DX:	WA3AUN	Refreshments:	N3FV1	Welcome:	W3VVS

BLURB STAFF

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(215) 794-7623

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N3DHI, K3GBA, WB3KOJ

Assistant Editor/Typist: W3IIN

DEADLINE: To be assured of publication in the current month, all copy MUST be in the hands of the Editor at the Bored of Directors' Meeting!

NET SCHEDULE

SUNDAY	09:00	14.237	MHz SSB	"SNOWBIRD NET"
	09:30	147.030	MHz FM	"SUNDAY MORNING 2 METER NET"
	10:00	28.993	MHz SSB	"10-ON-10 NET"
	10:20	3.993	MHz SSB	75 METER NET
TUESDAY	20:00	147.030	MHz FM	CW PRACTICE NET
WEDNESDAY	20:30	147.030	MHz FM	"SWAP 'N SHOP NET"

**APPLE BYTES****APRIL BIRTHDAYS**

02-CHARLES A. ANDREWS - W3IRS
05-ROBERT MOORE - N2RM
06-ALBERTA CLARK (XYL KB3QE)
-EDWIN N. FAYE - W3RCE
08-JACKIE CHEDEVILLE (XYL W3GQD)
11-WAYNE C. ZIEGLER - WB2SZF
15-JOAN CLIFFORD (XYL W3UY)
-ROBERT DiPASQUALE - WB3KAB
16-RAYMOND C. GARVIN - W3GRY
17-NED SCHLICHTING - N2EMN
19-HAROLD P. GRACE - W3HFY
-LILLIE PORT (XYL W3HYU)
21-LAURA LUSKY (XYL W3APD)
22-RUSSELL E. MILLER - K3NYN
23-EMMA SHAW (XYL W3ADV)
27-BUNNY DiPASQUALE (XYL WB3KAB)
-DR. CARL H. VOLD - W3SGR
28-TOM D'ANNUNZIO - KA3OXZ
-BESS ROWLAND (XYL W3JIL)
29-ALICE FARIES (XYL W3AOA)

HELP PHIL-MONT

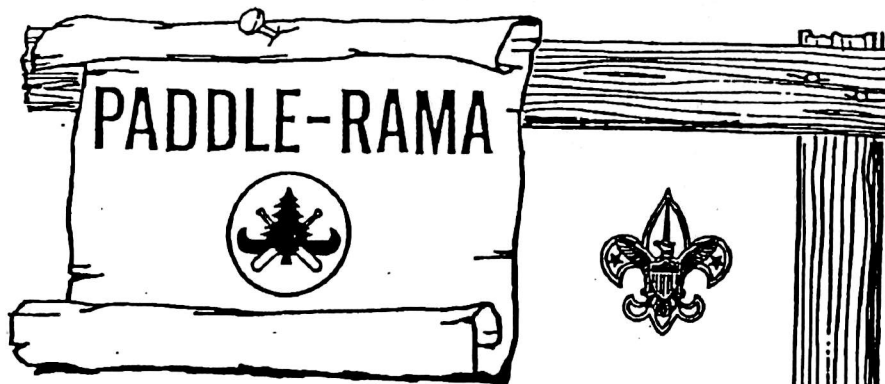
ARE YOU PLANNING TO JOIN ARRL OR RENEW YOUR CURRENT MEMBERSHIP? HELP PHIL-MONT BY JOINING OR RENEWING THROUGH THE CLUB...CONTACT KB3IV FOR THE DETAILS.

UPDATES

LAST CALL FOR CHANGES FOR THE 1990 P.M.R.C. DIRECTORY...LET ME KNOW BY APRIL 15th.

....DE WB3KOJ

LET'S TRY ONE MORE TIME!



THIS IS YOUR INVITATION TO FUN AND ADVENTURE ON THE DELAWARE RIVER. JOIN US AND LEARN TO ENJOY THE BEAUTY OF RIVER CRUISING AND THE THRILL AND CHALLENGE OF WHITE WATER. ALL BOY SCOUTS, GIRL SCOUTS, AND EXPLORERS WHO MEET MINIMUM REQUIREMENTS ARE ELIGIBLE TO PARTICIPATE. LEADERS ARE ALSO WELCOME TO PARTICIPATE. ON JUNE 22, 23, & 24, 1990 WE WILL TEACH THE CANOEING MERIT BADGE AND THE BASICS OF WHITE WATER CANOEING & WHITE-WATER MERIT BADGE. AFTER COMPLETING THE WHITE-WATER TRAINING, YOU WILL BE ABLE TO COMPETE IN THE 50 MILE PADDLE-RAMA RELAY RACE ON JULY 21 & 22, 1990.



FOR MORE INFORMATION AND
REGISTRATION FORMS CONTACT:

BUCKS COUNTY COUNCIL, BSA
SCOUT WAY & GREEN ST.
DOYLESTOWN, PA 18901

PHONE: 348-9436 or
757-6775

COME AND JOIN US FOR 2 FUN
EXCITING AND CHALLENGING
WEEKENDS!

The PREZ SEZ

Larry Clifford, W3UY

Over the past months, a common thread of thought in this column has been the need for newer club members to come forward with their ideals for a continuing and improving Phil-Mont club. New faces are seen in the club administration and in net and community services activities. Our thanks to those who have participated. It is great to see new faces blending in with the so called old-timers. It is a positive indication that Phil-Mont is very much alive and well, not withstanding that the club's day-to-day activities may be changing a bit.

With the emergence of new faces and ideas, we can not overlook, nor forget, the massive effort and time the old-timers have expended in nurturing the club's character. It would be unwise, if not folly, to attempt to recite the long string of

names that represents the club's backbone. From time-to-time a list of past officers and directors has appeared in the BLURB. Unfortunately, some of the club's faithful old-time members and supporters have not sought club offices, and are omitted from such lists. Nevertheless, they must not be overlooked. Their efforts have been vital to the club and are greatly appreciated. We owe the entire corps of people, making up the club's backbone, a great deal of thanks. We look forward to their continued help and suggestions, and yes, maybe even seeing some of them a little more frequently at the club's monthly meetings.

Again, our thanks to the Phil-Mont "heroes". Let's keep Phil-Mont marching onward in our established spirit and traditions of service friendship.

HELP!!!!

Steve Hoch, KA3AMO

In February 1990 the principal of my son's school, thorough conversation, found out that I am an amateur operator, and voiced to me, at that time, the wish to include ham radio in the 6th grade science curriculum. I volunteered my time as much as possible, and lent to the principal my ARRL handbook and several issues of QST, as well as pointing her toward the listing in the classified section of the curriculum guide that is sold for teaching amateur radio. What I am looking for is any volunteers who might be interested in helping out with their time or with any equipment for the school. The school is located in the Lawncrest section of Philadelphia, and would not be starting this

program until at least fall 1990. You can contact me at 215-535-8060, or write to 4638 Oakland Street, Philadelphia, Pa 19124.

We are always looking for new members in our ranks, and the influx of new young amateurs has been down for many years. If ham radio is to carry on without cutbacks from the FCC, we need to do something to swell our ranks. Many of us speak, however privately, about how "some of the new hams act". Well, this is a way to do something about it; volunteer some of your time or that unused piece of equipment in the back of your shack. The time you give only stands to enhance the hobby we so fondly call our own.

*** UPDATE ***

APR 2 General Meeting
Program: Handheld Radio Review

Apr 18 Directors' Meeting
at W3UY's

MAY 7 General Meeting
Program: Contesting - N2RM

May 16 Directors' Meeting
at AK2I's

JUN 3 General Meeting

Jun 13 Director's Meeting
at Vikye's

JULY 2 General Meeting

CLUB INFORMATION

24 Hour Information Number at
W3TKQ
(215) 448-1139

HAMFESTS

MAR 25 LAWRENCEVILLE, NJ
Delaware Valley ARA

MAR 31, TIMONIUM, MD
APR 1 BARC Hamfest

APR 7 LEBANON, PA
(Sat.) Appalachian ARG's
Hamfest & Computer Show

APR 27-29 DAYTON, OH
HamVention

MAY 20 WRIGHTSTOWN, PA
Warminster Hamfest

JULY 29 TIMONIUM, MD
BRATS Hamfest & Computerfest

Every Wednesday at 8:30 PM
The SWAP 'N SHOP NET
on our 147.03 repeater.

V.E. TEST LOCATIONS

from EPA FEEDLINE & others

Confirm all information, in advance, with the contact person. Licensed applicants must bring their original license and one photocopy of it. All applicants, including children, must present positive ID. Also bring the original of any Certificate of Successful Completion needed to prove current status. The ARRL VEC's 1990 test fee is \$4.95; there is no charge for a Novice test.

BELLMAWR, NJ
Monthly, 3rd Thursday
Bill Helmatag
(609) 546-7710

CENTER CITY
Apr 2, May 7
Dusty Rhoads, ND3Q
(215) 482-0386
(215) 879-0505

PERKASIE
Monthly, 3rd Monday
Stu Silverstein, K3UEI
(215) 584-0775

BRYN MAWR
Bob Haase, W3SA
(215) 293-1919

LEVITTOWN
Dave Heller, K3TX
(215) 946-1040

HATBORO
Mar 28
Tom Michaud, WA3TQJ
(215) 343-3494

EMERGENCY FREQUENCIES

33.7000	.....	MontCo Fire (West) & U. Dublin
39.1800	.....	Abington Police, Supervisors
39.4400	.....	Lower Moreland Police
45.5800	.....	Horsham Twp Public Works
45.9200	.....	MontCo Ambulance Ch-2
45.9600	.....	Bucks Co Ambulance F-2
46.0000	.....	Bucks Co Ambulance F-1
46.0400	.....	MontCo Ambulance Ch-1
46.1000	.....	Bucks Co Fire, Dispatch
46.1200	.....	Bucks Co Fire, (Warminster)
46.1400	.....	Bucks Co Fire, Multi-Alarm
46.3000M	.....	Bucks Co Fire, Fireground
47.4200	.....	Red Cross, F-1 (47.46, F-2)
121.5000	.....	*AM* Intl Air Emergency
123.1000	.....	*AM* Search & Rescue
139.5000	.....	NAS Willow Grove, Security
140.1000	.....	NAS Willow Grove, Fire Dept
141.0000	.....	NAS Willow Grove, Operations
141.8000M	.....	NAS Willow Grove, Navy HTs
148.1500	.....	Civil Air Patrol (Simplex & Repeater)
149.9250	.....	Civil Air Patrol
151.8950	.....	Hatboro-Horsham School Buses
153.9500R	.....	Phila Fire Emergency Band (> one alarm)
154.0250	.....	MontCo Civil Defense, Co. Ops.
154.0700	.....	Abington Twp. Fire Units F-2
154.1300	.....	Montco Fire (East) Dispatch
154.1450R	.....	Phila Fire Disp (North of Girard)
154.2350R	.....	Phila Fire Disp (South of Girard)
154.2800	.....	Montco Fire F-2/Lower Moreland
154.4450	.....	Cheltenham Twp. Fire F-1
154.7400	.....	Willow Grove/Hatboro Fire "Local"
154.7700	.....	Willow Grove, Horsham, Roslyn Firepolice
154.8300M	.....	MontCo Fire F-4, Fireground
155.7750	.....	Upper Moreland Public Works
156.2400	.....	Hatboro Public Works
156.8000	.....	Marine Ch-16, Emergency & Call
165.1375	.....	NAS Willow Grove, AFR Security
170.1500R	.....	Phila Fire Rescue
415.7000	.....	SAM Flights, Phone Patch
453.0500R	.....	Phila PD 14 & 35 Dist.
453.1500R	.....	Phila PD Central-6 & 9 Dist.
453.2000R	.....	Phila PD N. Central-22 & 23 Dist.
453.2500R	.....	Phila PD T-Band
453.3000R	.....	Phila PD 24 - 25 - 26 Dist.
453.3500R	.....	Phila PD West - 16 & 19 Dist.
453.4000R	.....	Phila PD Det. H-Band
453.5000R	.....	Phila PD South West 12 & 18 Dist.
453.5500R	.....	Phila PD *M-BAND*
453.6500R	.....	Phila PD South 1,3,4,17 Dist.
453.7500R	.....	Phila PD J-BAND
453.8000R	.....	Phila PD North West 5 & 396 Dist.
453.9500R	.....	Phila PD North East 2,7,8,15 Dist.
460.0250R	.....	Abington Police
460.0500R	.....	Upper Moreland Police
460.1000R	.....	Cheltenham Police
460.1750R	.....	Cheltenham/Abington F-2
460.5500R	.....	Upper Dublin Police
500.4875R	.....	Warminster Public Works
500.9375R	.....	Hatboro Police
501.2375R	.....	Bucks Co Police, Zone-4
501.2875R	.....	Bucks Co Police, Zone-6
501.5125R	.....	Bucks Co Police, Countywide-2
501.5625R	.....	Bucks Co Police, Countywide-1
501.7125R	.....	Bucks Co Police, (Warminster)
506.3125R	.....	Horsham Twp Police

*Thanks to Warminster's
FEEDBACK and to N3GLH
for augmenting the list.
We'd like to add your fa-
vorite frequencies; just
send them in.*

FCC PROPOSES HIKERS' LOCATOR IN 220 MHz

The Commission, on Tuesday December 12, proposed the establishment of a Personal Emergency Locator Transmitter Service (PELTS), that would provide individuals in remote areas with a means of alerting others of an emergency situation, and to help search and rescue personnel locate those in distress. The Commission pointed out that a growing number of persons are participating in outdoor activities resulting in an increased number of situations requiring immediate emergency assistance. For example, nine teenage climbers were caught in a severe unexpected storm on Oregon's Mt. Hood, and lost their lives. Four skiers died under an avalanche at Breckenridge, CO. These individuals might have been saved if they had a means of signaling to rescuers.

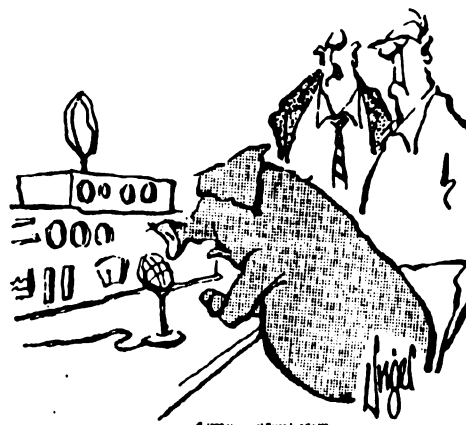
The Commission says it has two objectives in establishing the PELTS. The first is to provide for an areawide, centrally coordinated radio communications system for use by the general public in remote areas, thereby reducing response time in emergency situations. The second objective is to reduce the illegal use of Emergency Locator Transmitters (ELTs) and Emergency Position Indicating Radio Beacons (EPIRBs) as personal locating beacons. ELTs and EPIRBs are emergency radio beacons used to assist search and rescue units in locating downed aircraft and vessels in distress.

PELTS would consist of a base station and associated portable units. Only governmental agencies, or private search and rescue organizations, would be eligible for base station licensing, to assure that use will be limited to distress and assistance communications, but portables would not be restricted.

The FCC proposed to use 50 kHz of the reallocated 220-222 MHz band for PELTS, in five frequency pairs. To offer the public some assurance that the equipment is safe and likely to perform its intended function, the Commission proposed technical standards and design specifications for PELTS equipment. The actual text of PR Docket 89-599 has not yet been released; comment deadlines are not available at this time.

The ARRL will seek a stay of this Docket and PR Docket 89-552, FCC's proposed service rules for land mobile operation on 220-222 MHz, if the rule-making process reaches the Report and Order stage before the US Court of Appeals for the DC Circuit has made a decision on the ARRL request for review of FCC's reallocation decision in Docket 87-14.

tnx The ARRL Letter



"You never seen a ham operator before?"

MINUTES

MARCH GENERAL MEETING

The March General Meeting was called to order by W3UY at 20:10 hours. There were 24 members and 7 visitors attending. The visitors were Dennis Gazak, Matt Clemons, Ron Slattery, Garrett Klein, Chris Lohmiller, Dawn Howard and Mark Thomas. N3GLH read the minutes from the February meeting. KB3IV read the Treasurer's report.

Membership committee: no report.

Net Report - WB3CMM still needs Sunday morning 2 meter net control stations; if you can help out please contact him.

VE Report - ND3Q reported 16 people taking exams. Out of the 27 elements given, 20 elements passed.

W3TKQ - The multi-mode TNC that we just received from MFJ Inc. has a problem, and has been sent in for service.

TVI committee had no report.

N3GLH introduced the guest speaker, our own N3GWG, Stuart Tener, who educated all of us on the fine art of Packet.

Respectfully Submitted; Brad Swanson, N3GLH, Secretary

MINUTES

MARCH DIRECTORS' MEETING

The March Mid-Month meeting was held at the home of N3GLU and KB3IV, on March 14 1990. Present were W3UY, W3IIM, W3IIN, AK2I, K3GBA, N3GLH, N3FVI, W3RM and KB3IV. The meeting was called to order by W3UY at 20:20 hours. N3GLH read the minutes from the February Directors' meeting, which were approved as read. KB3IV read the treasurer's report.

New Members - The board voted on two new members: Barry Brenner N3FYH, and Sharon Masarsky N3GLU. After much discussion about the qualifications of the latter, both were accepted as new members.

W3TKQ - W3RM reported that the VEs have been having trouble with gaining entrance to the Franklin Institute's computer room for testing. AK2I volunteered to contact the Assistant Director of the Institute to try to resolve the problem.

W3RM also mentioned the problem with taking a code exam in the testing room without the headphones. AK2I added that it has been three and a half years since the project was first proposed. A volunteer will be sought to complete the job. AK2I requested a quote in the minutes as follows "I would like to have the program initiated as soon as possible; not a year from now, but next month; I'd like it next month. I think the time for talk is over; it's been three and a half years, enough said!" KB3IV mentioned that the station needs new call books and that ND3Q had bought a set for W3TKQ. The club will reimburse him for the purchase. W3IIM suggested that the club auction-off the old callbooks each year in an effort to offset the cost of the new ones. All agreed that it should be done; KB3IV will look into it.

New Business - The motion was made to appoint an official liaison to go between

the club and The Franklin Institute. The motion was seconded and passed with AK2I holding the position.

Repeater - KB3IV reports that he has worked out a good deal with both WA3UTI (442.600) and WA3BXW (444.200). The proposal was to give up our present repeater site, as a repeater site, and use it as a UHF input only, move the VHF input/output to the top of the Morgan House on Stenton Ave., and have an input/output for UHF on WA3BXW's tower in Bensalem. WA3UTI has a Motorola Micor repeater in new condition which we can purchase for \$500.00. It is already equipped with a digital voice mail recorder (DVR) with 128K of memory on board. The only problem is that it doesn't support phone patching.

Ed pointed out that this would be a free site on top on the Morgan House with emergency power, while the current site, at WFLN, has no emergency power. WA3UTI was also offering us tower space on his for additional VHF and UHF inputs if desired.

W3RM pointed out that some additional paper work would have to be filed with the ARRL, but he didn't think it would be a problem. Everybody present

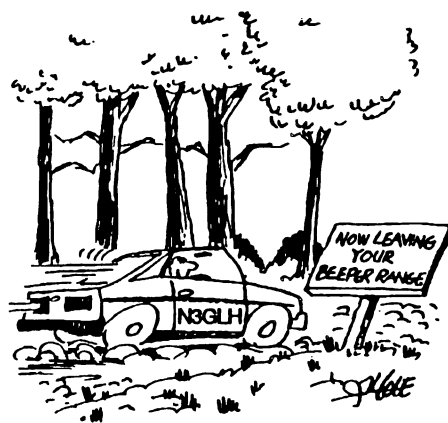
felt that the proposed changes would help the interference problems.

W3UY asked for a motion. The motion was made by KB3IV and seconded by N3FVI and passed with 6 in favor, 2 against.

The Repeater Committee will try to have the repeater down for as little time as possible. The entire project is expected to last one month with good weather on weekends.

The meeting adjourned at 21:45 and refreshments were enjoyed by all.

Respectfully Submitted, Brad Swanson, N3GLH, Secretary



REPEATINGS

Clarence Snyder, W3PYF, the Wicked Witch of the North (Delaware Lehigh ARC), recently returned home from a stint in the hospital where he was fitted with a brand new pacemaker. (Perhaps made by Icom or Kenwood?) Welcome home, Clarence!..... Our Ex Prez, Bob Ricker, N3EAY, his XYL Ruth Anne, KA3RLD, and son Lee, will be heading south to Florida in time for settlement on a new home on June 1st. New address is 1990 Montero Circle, Deltona, (between Orlando and Daytona) Florida

32738. All visiting Phil-Monters welcome!..... SMALL WORLD DEPARTMENT: Ed Hinderer, W8AFI, met K3UWO, Bob Mynster, recently at a ham/fleamarket in Michigan. Ed asked Bob if he knew Paul, W3VVS. Bob was PMRC PREZ in 1969; Ed and Paul were classmates in Valparaiso, Indiana in 1941!..... Al Gaskill, W3JWF, has settled into a nursing home with his XYL Edna. Their new address is Masonic Nursing Home, Elizabethtown, PA 17022-0703.

a speed that you estimate as three or four words below your best. Call him. As he responds, *concentrate intently* on his CW; you should be able to comprehend 60 to 70 percent of the message without writing it down. After about 20 minutes, if you haven't fainted, request a speed increase of 2 WPM; the keyboard ops will generally be happy to oblige.

If 20 WPM is close to your limit, the veins may be standing out on your neck, but keep the pressure on. The idea is to advance to a speed higher, by five words or more, than your best. What I'm suggesting is, of course, strenuous; but if you work at it, in a few weeks you will exceed 20 WPM.

Be sure to explain to your contact that you are trying to increase your copy speed, or he may be annoyed if he discovers that you're not copying solidly at the speeds you requested.

I'd like to pass along a sequence that netted me a speed increase of 5 WPM in one week:

- 1) For the first 20 minutes of ragchew, copy at 3 WPM below your ceiling (you'll probably copy 60 percent).
- 2) Copy at 3 WPM above your ceiling for 10 minutes (you'll copy about 30 percent).

- 3) Copy at 5 WPM above your ceiling for 5 minutes (you'll copy about 20 percent).
- 4) Go back to starting speed for 10 minutes, then conclude chat.
- 5) Repeat steps 1-4 three times daily (or more) for one week, for 21 hands-free ragchews in one week.

If that works for you as well as it worked for me, in seven days your copy speed will increase by 5 WPM or more.

PERSONAL SATISFACTION

Those who learn to copy in their heads are likely to get a lot of satisfaction from it, just as I did. Racing along at 30 WPM or more while taking the Morse in the brain is exhilarating. I found it - pardon the expression - to be a heady experience.

tnx LARC FEEDBACK & BRATS

FOUR STEPS TO INCREASING CODE SPEED

- 1) Put down that pencil.
- 2) Concentrate intently.
- 3) Copy the best signals, especially keyboards
- 4) Ragchew, hands-free while increasing code speed.

Sonia
KATTY KORNER

HAL..W3AA
HAS
DECLARED WAR
ON THE NEW
APARTMENT
MANAGERS..TO
PUT HIS
BEAM ANTENNA UP



practice you can soon learn to flash the words onto the mind's screen, so to speak. Try visualizing each letter (eyes closed) as if they were printing on your inner eyelids. Rather than slavishly writing out each character, as though engraving it in stone, let your mind focus on each character. With practice, your mind will print it out for you.

What you'll hear in the beginning, as the really good CW ops have told us for years, are short words like *the, an, for, rig, name, watts*. You'll also begin to pick out prefixes and suffixes on longer words: *con-, pro-, -ine, -ing*. They will jump out at you.

What you're doing is training yourself to comprehend words and parts of words rather than single characters. That's the secret. The best CW operators have used this technique for years. However, this freehand method won't work on cipher, random groups, or the like. Nor is it recommended for Novice class licensees who are still struggling with basic character recognition at very slow speeds. (A note of caution: No matter what your proficiency while copying in your head,

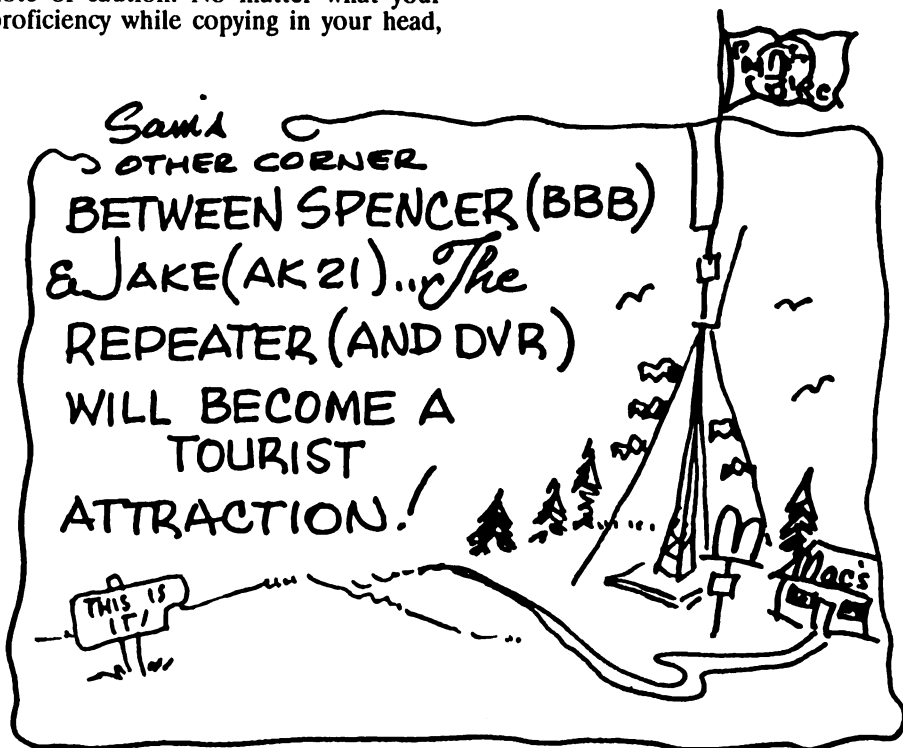
there are times when copying on paper is the preferable method, such as when handling emergency traffic.)

WORKING UP THE SPEED

If things are going right, by the second week your eyes may look like two burnt holes, but you'll have a new skill and be on your way to mastery of 20 WPM code. Now you are ready for some bold transmissions. I mean you must get into some ragchews. Simply copying someone else's QSO, helpful as that is, will not generate the pressure you need for fast speed gains.

On the other hand, the white-knuckle pressure of hands-free ragchewing will drive up your speed like a rocket, as it did in my case. (If you get in over your head, you can always resort to the pencil.) But try not to use anything more than you absolutely have to - just brief notes from which to prepare replies.

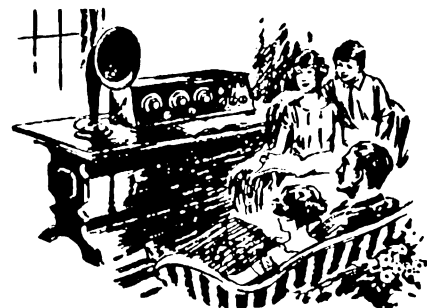
When you're ready to take the plunge, pick out a keyboard 'musician' sending at



INTERNATIONALLY FAMOUS

RADIO MUSEUM

East Bloomfield, New York



OPEN SUNDAY, 2 - 5 PM
MAY, JUNE, JULY, AUGUST, SEPTEMBER, OCTOBER
ALSO Saturday, 2 - 4 PM - Wednesday, 7 - 9 PM
JUNE, JULY, AUGUST

NO ADMISSION CHARGED

Founded and Maintained by the
ANTIQUÉ WIRELESS ASSOCIATION, INC.

WATCH THOSE VFO SPLITS!

The FCC has issued over 240 notices of violation to amateur stations for improper operation during the recent 3Y5X Bouvet Island DXpedition. The notices were sent to US amateurs operating voice on frequencies reserved in this country for digital transmissions such as CW and RTTY. This is in violation of section 97.305(c) of the FCC rules which partitions various MF and HF amateur bands.

There's Lots To Do And See -
Be A Part Of The Past

LISTEN to radio with an old-fashioned "Cat's Whisker"!

TALK to each other on ancient 19th Century telephones!

SEE old shipboard wireless transmitters like those on the ill-fated Titanic!

VISIT early Western Union telegraph office with original instruments.

HEAR ships at sea talking in Morse code to stations on shore!

WATCH television on a 2-inch screen!

LEARN how television was invented!

SEE actual history-making Marconi wireless apparatus!

SEE working model of world's first wireless apparatus!

VISIT fully stocked 1925 radio store - hundreds of items!

SEE early Tesla spark coil in operation!

TUNE an Atwater Kent or a Stromberg Carlson radio.

SEE the display of "Radio Boys" books.

RECALL history when looking at radio keys.

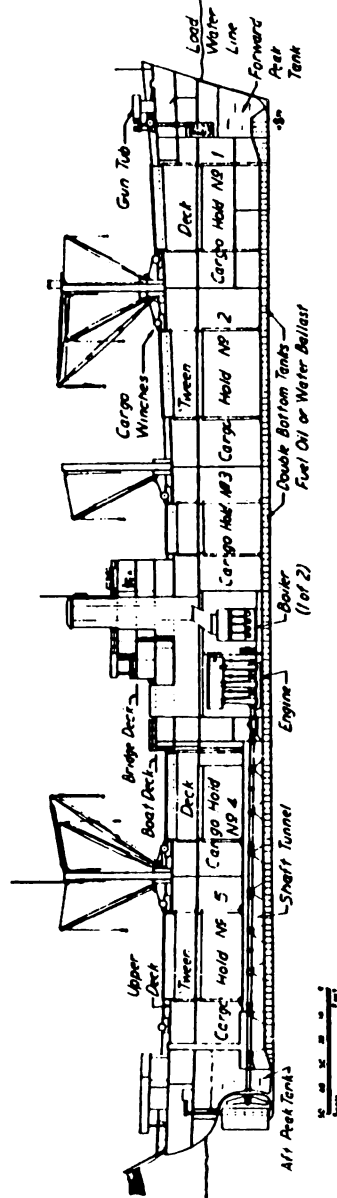
**ATTENDANTS WILL EXPLAIN
WHAT EVERYTHING IS!**

tnx W3VVS

tnx ARRL Letter

LIBERTY SHIP JOHN W. BROWN

Sam Kunceovich

This line drawing represents a typical cargo-carrying EC2-S-C1 Liberty Ship. **INBOARD PROFILE**

The John W. Brown was launched September 7, Labor Day 1942, at Bethlehem Steel Fairfield Shipyard in Baltimore. She was converted from cargo to troop ship in 1943-1944 to assist transports in carrying military personnel. She's now one of two "National Register Ships" to be restored as monuments.

After years of storage at Norfolk Virginia (James River), and service as a school ship [in New York harbor -ED], finally the inspection team checked her out, and work was under way to restore the ship to its original physical condition. This meant engine room repair and replacement of decayed or damaged equipment. Recondition of boilers, feed water systems, auxiliaries and fire equipment. Removal of classrooms and school berthing spaces. Hull fittings, valves and sea chests all had to be restored.

The propulsion system, shaft, rudder and steering engine, not used in 40 years, all had to be restored to working condition. This part has yet to be done. Boiler and engine rooms have more than 1,000 hours of work completed.

The main engine has yet to have work started to bring it in shape to run at 72 RPM. Three original General Electric 20 KW, 120 Volt DC generators are now in operation providing power to ship's lighting and service. The air conditioning and ventilation system work has begun, and has a long way to go.

THROW AWAY YOUR PENCIL!

Melvin L. Jaddus, K6LJE

Whether it be to build operating confidence, to prepare for an exam, or just for personal satisfaction, most amateurs want to increase their code speed. Here's one ham's method.

Do you stumble through the code bands at 14 or 15 words per minute? Does 18 WPM push you? Would you upgrade to Extra if you could crack 20 WPM? Well, you can do it if you are willing to try breaking out of the slow-code strait jacket.

Until recently, I was hard pressed to copy 18 WPM. Today I'm copying 35 WPM, cold turkey. A veteran ham showed me the way.

I'll never forget the QSO that turned me around. The earphones were tight against my ears. I grabbed another pencil. The lead smoked across the last sheet of the tablet. 18 WPM was crowding me.

"By the way, Mel..." Pete went on as I came to the end of the sheet.

The break-in was working, so I leaned on the key for a short string of dits.

"Wait one, Pete, while I get more paper."

As I rose from the chair to look for another tablet, I heard Pete's signal coming from the earphones. He was laughing.

I jerked open the cabinet, grabbed two tablets and returned to the desk. Wiping the sweat from my fingers, I touched the paddle.

"Okay now, Pete. Have paper."

"Mel," he replied. I copied my name easily. "Would you like to be able to copy faster?" I could feel the blood rush. At 18 WPM I thought I was *already* blistering the frequency. Yet after 28 years of Amateur Radio - I was ashamed to admit - I had failed to break 20 WPM, though I had often tried.

I put down the pencil and swallowed hard. Touching the paddle gently, I sent one word: "Yes." His message came back like a shot.

"Throw away your pencil."

"What does he mean?" I wondered. "How can I copy without the pencil?" "Mel," Pete's signal filled my earphones, "do you copy?" "Yes," I answered, "but I

don't understand."

Again the code filled the phones: "Throw away your pencil. Now!" My pulse quickened. He was serious! Hand shaking, heartbeat in the paddle, I tapped out, "Okay, Pete, you're asking a lot of me, But I'll try it."

I closed my eyes, put down the pencil and held my hands against the phones. When it was all over, I walked out of the shack feeling nine feet tall.

Walking into the kitchen, I stammered to my wife and kids that their old man had chewed the rag for an hour without touching a pencil, an accomplishment I had thought impossible. My 12-year-old son was impressed.

"Gee, Dad, you can do everything!" he said. I don't know if he understood just what I had accomplished.

Twelve weeks later, hog-wild and crazy for CW, I copied 35 WPM, hands down. I'm only embarrassed that I had not done this long ago.

YOUR TURN

If you are still pencil-bound and wondering how you can get started, I can give you this answer: Throw away the pencil and start listening to the signals as if it were just another way of speaking.

First, seek out strong, well-fisted signals - preferably from a keyboard - being sent at two or three words below your ceiling. (I recommend copying the keyboard signals whenever you can. When starting out, you need their precision spacing, character formation and timing.) Once you have located a signal, fasten onto it like a leech. If it helps, put your elbows on the desk and close your eyes while the dits and dahs dance in your head.

The trick is to *concentrate intently*. If you are doing it right, it'll nearly suck you dry after the first two or three hours. In four or five weeks, however, after you've developed the technique, you won't have to concentrate so hard. Believe me, it gets easier and eventually becomes second nature - just like listening to a voice.

It's hard to describe, but with constant

The FORT MIFFLIN PROJECT

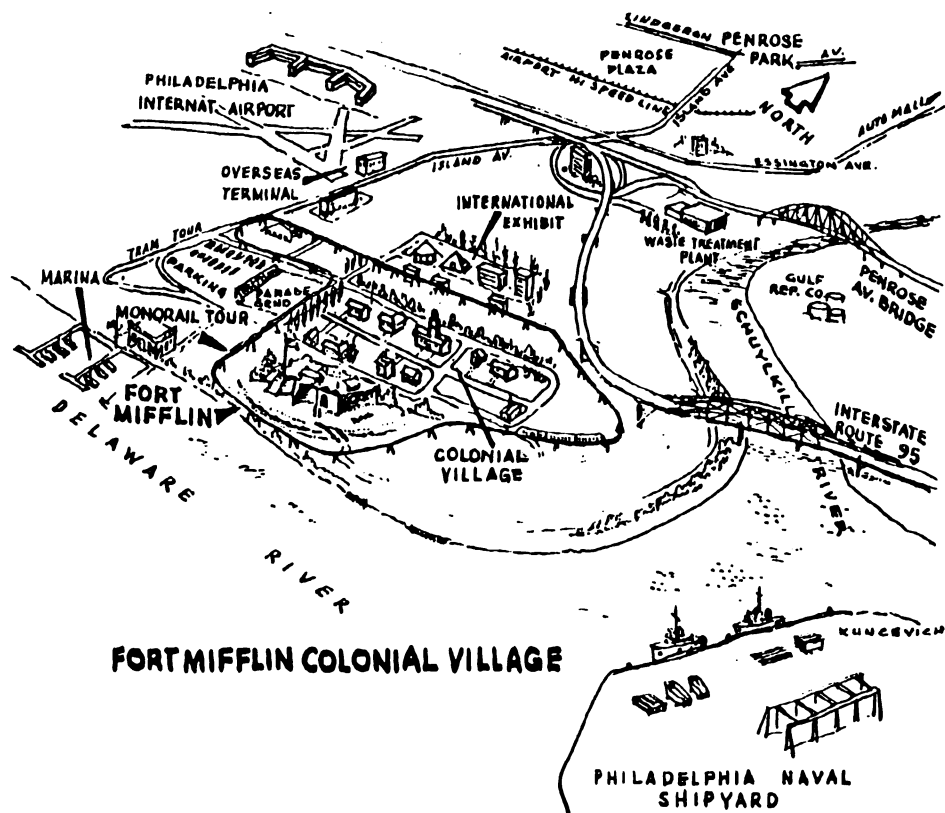
Sam Kuncevich

The adjacent sketch is something I've been planning for 15 years. This will take a lot of money and planning, and may never "get off the ground". However, it has a start, has been approved by the local community, and a copy is in the hands of the city Mayor, Congressman Weldon, Gray and Foglietta, as well as senators Specter and Heinz. Up to now there has been no hold-up or objection to the project, but the tough part is yet to be met.

In part of the project is a police, fire,

medical and emergency radio station. This is where Phil-Mont enters the picture. The station is to be manned by experienced Ham operators, and all services are to be paid by the project income. It will be known as Fort Mifflin Radio and carry its own call sign.

Phil-Mont of course will have to vote on "do we take part, or no?" Of course, this stage is a long way off, and a rough road to go on. I may never see it become fact, but at least it has started.



FORT MIFFLIN COLONIAL VILLAGE

The exterior structures and weather decks have been repaired and painted to improve the ship's outward appearance. Much of the piping and fire systems have yet to be reconditioned. Many of the repair parts, gauges and meters were found in storage aboard [this and other] ships, and are being used where needed.

All missing hatch covers were manufactured and put in position. The armed guard group has installed a 5 in./38 gun in the aft center gun tub and 3 in. guns in the aft port and starboard tubs.

The bridge deck has been fully restored including the Captain's Quarters, wheel house, chart and radio rooms. The woodwork has been redone, and interior bulkheads and overheads repainted.

The radio room equipment, however, is a full challenge to restore to operating condition.

And so, the John W. Brown is making good progress in its restoration, but still has a long way to go. When restored, the John W. Brown will get under way to ports of call where visitors will learn first hand the story of the U.S. Merchant Marine and the U.S. Navy Armed Guard in WW II.

From Technical Report by Chief Warrant Officer Theodore A. Dietz, U.S. Navy Retired.

Published by Naval History, Jan. 1990.

The first cruise is tentatively scheduled for Sept. 8, 1990. It is planned that the all-day round-trip will traverse the middle part of the Chesapeake Bay, from Baltimore to near W3RCE's home on Tilghman Island, then return to Baltimore once more. For more information, call 301-661-1550 -Ed



NEW MEMBER APPLICATION

CALL:	KA2VTR
NAME:	William Isherwood
HANDLE:	Bill
CLASS:	Technician
ADDRESS:	18 Poplar Ave. Elmtowne, NJ 08037
HOME PHONE:	(609) 567-1287
OCCUPATION:	Retired

SPEED KILLS?

Clinton R. Spencer, Jr., W3BBB

Food for thought - 55 MPH - necessary or unrealistic?

Speed limits were originally created to promote reasonable and prudent driving habits. They were set by determining the "85th percentile" - the speed at which 85% of the traffic was moving - noting that people were selecting a speed that was safe based on traffic, visibility, and road conditions. They gave drivers credit for wanting to drive safely, with due regard for their safety and that of others. Pennsylvania's rural interstate 85th percentile, in 1988, was 68.6 MPH.

Speed enforcement in the United States has become a self-sustaining system with little to do with public safety. It is revenue producing for governments and insurance companies which can raise your rates if you are convicted of speeding under our present laws.

Our present Pennsylvania speed limit is 55 MPH based on the premise that "speed kills" and something vague about how fewer people died in car accidents after the limit was set in 1974.

Fact: Not one study has ever proven the relationship between slower speeds and fewer fatalities.

Fact: The death rate on West Germany's autobahn, which has no posted speed

limits, is lower than our interstates. The average speed there is 81 MPH.

Fact: In 1970, when we had 70 MPH speed limits, the average automobile, traveling at 60 MPH, would take more than 300 feet to stop. Today the average car takes less than half that distance to stop.

Fact: Engineers design interstates to handle speeds of more than 70 MPH.

Fact: Our roads are better, our cars are better, our speed limits are LOWER.

Forty states have bumped speed limits up to 65 MPH. About 29% of the motorists in those states exceed that limit. In Pennsylvania, more than 85% of the motorists exceed the present 55 MPH limit. If you need proof of this, drive the Turnpike, the A.C. expressway of the Schuylkill Expressway. But be careful; the blast from the cars going by you will test your ability to drive under windy conditions.

When more than 80% of the drivers refuse to obey the speed limit, the problem might be with the law, not with the people. What do you think?

Credit is acknowledged to PNI. Feb 18, 1990 and author Jeanne Marie Laskas for portions of this information.

Well, after all, this IS a MOBILE radio club isn't it? -ED

ICOM SERVICE CONNECTION

Those with telephone data-communication capability may be interested in a new feature on the CompuServe information service. There is now an ICOM SUPPORT data library in the CompuServe HAMNET forum. CompuServe members can download service bulletins for many ICOM products from the data library.

While in HAMNET, take a look in data library 1. Electronic copies of ARRL Letter, Gateway and W1AW bulletins are available there.

If you want to join CompuServe (there are charges for connecting to the service), see your local computer dealer, or call 800-848-8199.

tnx QST



HOORAY for US!

Steve Hoch, KA3AMO

On April 1, 1985, a prestigious new program started at Phil-Mont, under the guiding hand of Jake, AK2I. The VE program heralded a new beginning within our organization. The ARRL had not gotten its program up and running yet, so

Jake got us started using the W5YI VE program. Jake ran the VE sessions, and coordinated the events with precision clockwork, in having the necessary paperwork ready, the code tapes for examination purposes, and the necessary amount of examiners on hand every month for the exams. In the fall of 1987, Jake got a call from the Polish Godfather in Chicago, making him an offer he couldn't refuse (Jake was transferred to Chicago for 9 months by Sears; then he was able to retire).

Ramona, KM3N, then took over in December of 1987, and ran the program until February 1989, when, due to her job restrictions, she passed the baton to our current VE head, Dusty Rhoads, ND3Q.

Dusty has been doing a fine job with the help of a number of other examiners - to name a few, Dick W3RM, Paul W3VVS, Ted N3FTZ, John WA3TNH, Larry W3UY, Lee N3EKR, Sal NS3Y, Bob NS3Z, Ben W3LKI, Virginia KA2ZZA, Ken NR3F, Vince NM3W, Vince K3SNZ, and Tom N3GXX. (Apologies to any VEs not listed; I did as much homework as I could.)

This article would not be totally complete without an acknowledgment of the person responsible for my wanting to take the 13 wpm code test. In February of 1985, I visited Hal Fox, W3AA, in his home in Madeira Beach, Florida, and was amazed at the contacts he was accomplishing with a 100 watt Icom

mobile hf rig and his mobile Hustler antenna clamped to the air conditioning unit on the roof of his condo. After this visit I came home, and after 6 weeks and the help of a Commodore 64 home computer, I passed the 13 wpm code test. Many thanks to the Phil-Mont VE program!

**Report
Card**

A+

AMATEUR LICENSE EXAMS HELD MONTHLY

At

THE FRANKLIN INSTITUTE
For Information Call ND3Q at
(215) 482-0386 or 879-0505
Accessible by the handicapped.

TUCSON HAM REPORT

Your HAM operating privileges may be restricted!

Joe Michaels, W4DDV, a HAM for 50 years, moved to Tucson, Arizona in May 1989. He resides in a neighborhood where the deed restrictions have expired. However, after having erected his 50 foot tower and setting up his ham station, Joe began to receive complaints of the appearance of his tower and alleged RFI.

Joe supplied filters, toroids and suggestions to alleviate the neighbor's problems. Joe is experiencing NO problems in his home. Members of the Old Pueblo Radio Club TVI Committee checked Joe's station for possible problems. The Committee also contacted his neighbor who would not permit the Committee's help.

On September 19, 1989, FCC engineers inspected the station of W4DDV and found it to be in compliance with all FCC regulations and standards. FCC was unable to confirm any TVI reports through inspections of several neighbors' equipment. The primary complainant refused admittance of FCC engineers. Therefore, the FCC considered the case closed.

Not feeling satisfied, Joe's neighbor filed suit in Superior Court in September 1989 claiming "...radio transmissions have caused interference with the Plaintiffs' quiet enjoyment of their real property in that radio transmissions disrupt radio and television reception, ..." etc. The Superior Court found that the FCC has exclusive jurisdiction, and the case was dismissed. Joe and the local ham community felt that this issue had finally been resolved.

In January of 1990, Joe was informed by his lawyer that an appeal of the Superior Courts ruling had been filed.

It is this committee's opinion that it is not interference that is on trial, but the aesthetics of the tower. If there is a court decision in favor of the complainant, it could encourage an outbreak of complaints initiated primarily due to the appearance of our towers. We cannot permit our amateur privileges to be jeopardized for this reason. As much as we hate to admit it, not everyone understands or appreciates the need for amateur radio and therefore, may view a tower or antenna assembly as an "eyesore." We feel very strongly that if this case is not resolved in Joe's favor, many of us may be faced with a suit based on the appearance of our ham equipment.

The results of cases tried in the appellate courts are used in like cases nationwide. Therefore, if the decision at the appellate level results against Joe, we, as hams, will be open to law suits in civil court labeling our radio equipment as a nuisance. This means that each and every one of us in this country could be a target for the same sort of harassment and high personal financial burden Joe is facing.

To this point, this case has cost approximately \$7,500. Lawyers feel that the appeal process costs will be double or triple of that amount already spent. In order to protect our future rights as Hams, we need your support to insure a positive outcome in this case. The bottom line: Your money is needed to provide the best defense possible to insure our hobby as we now enjoy it.

Please send your contribution and QSL card to:

TOWER DEFENSE FUND
P. O. BOX 42601
TUCSON, AZ 85733

Every attempt will be made to provide updates in this case as they become available. We appreciate your help and would like to insure that this information is given the widest possible circulation.

Gail Peterson N7BXX
Chairman

Murt Weitzel KB7NE
Treasurer

P. O. Box 42601 ■ Tucson, Arizona 85733

Mickey Mouse Repeater

Disneyland (California) has a 2-meter repeater for visiting Amateurs.

When you enter the park, check-in at the business office inside the main entrance. Tell them that you're an Amateur, and that you have a 2-meter hand-held with you. They will explain the use of the repeater (operation requires a touch-tone access pad).

You are asked to keep the receiver on, and in addition to making contacts with other Amateurs, you may be asked to help with situations as they occur - lost children, etc. It's good public service, and it comes to the attention of the public.

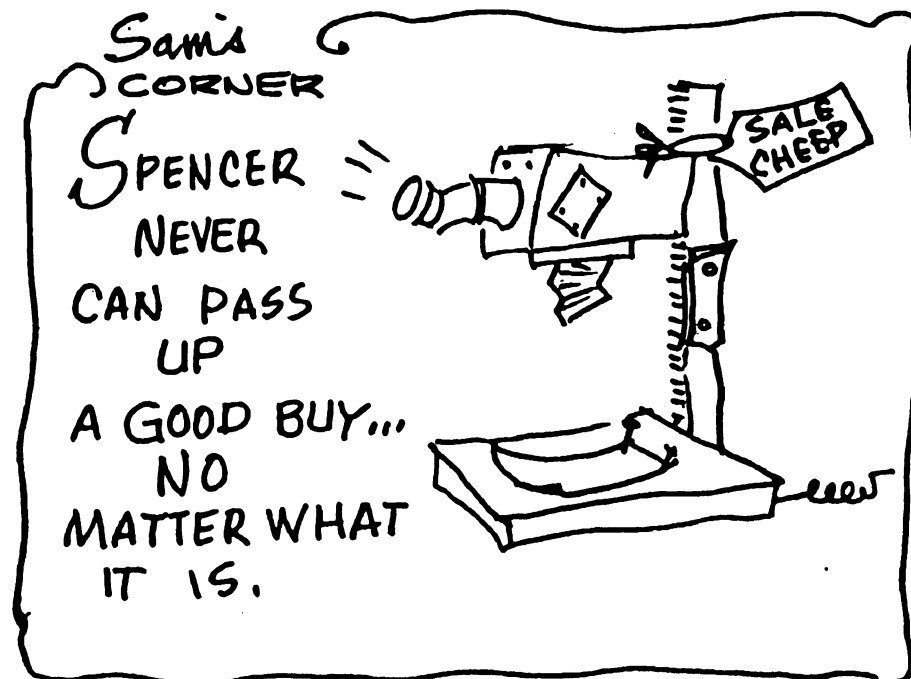
inx BRATS & WORLDRADIO

BETTER GROUND

Scientists working on an Army Grounding Analysis project have shown that grounding with the standard 6' metal rod, or even several rods in parallel, is often unsafe and more often inadequate for good low-noise communications. They have found that a better ground can be established by stapling a 100' length of standard 1/8" stranded steel wire to the earth every 4" with 6" pegs. A 3 lb. hammer (in lieu of the 10 lb. sledgehammer used with the ground rod) should be sufficient to drive the pegs.

Tests at all sights in the country show the surface wire to be 32-95% more efficient than the 6' grounding rod.

inx WORLDRADIO



1990

APRIL

1990

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 <i>Daylight Saving Time</i>  2M NCS N3FVI 10M NCS ANYONE 75M NCS W3PWG <i>Timonium Hamfest</i>	2 GENERAL MEETING & LICENSE EXAMS	3 CODE PRACTICE NET at 8 PM <i>Doris Day's Birthday 1924</i>	4 SWAP 'N SHOP NET at 8:30 PM	5	6	7 <i>Lebanon Hamfest</i>
8 2M NCS NEEDED 10M NCS ANYONE 75M NCS W3AOA <i>Palm Sunday</i>	9	10 CODE PRACTICE NET at 8 PM <i>Passover</i>	11 SWAP 'N SHOP NET at 8:30 PM	12	13 <i>Good Friday</i>	14
15 2M NCS KA3AMO 10M NCS ANYONE 75M NCS W3RCE <i>Easter</i>	16	17 CODE PRACTICE NET at 8 PM	18 SWAP 'N SHOP NET at 8:30 PM DIRECTORS' MEETING at W3UY's	19	20	21
22 2M NCS KB3IV 10M NCS ANYONE 75M NCS AK2I	23	24 CODE PRACTICE NET at 8 PM	25 SWAP 'N SHOP NET at 8:30 PM <i>Secretary's Day</i>	26	27 <i>DAYTON HAMVENTION</i> <i>U.S. Grant's Birthday 1822</i>	28
29 2M NCS KA3BET 10M NCS ANYONE 75M NCS W3HFX <i>Dayton Hamvention</i>	30					